Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/30/2017 11:30 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123648	-2	2.52	123464	2.52
Blue	F	SSC	125000	123098	-2	3.31	123347	3.07
Blue	E	FITC	21625	21026	-3	2.87	935	10.08
Blue	D	PE	26832	26285	-3	2.62	943	9.79
Blue	B	PerCP-Cy5-5	48027	47002	-3	3.76	1352	16.70
Blue	A	PE-Cy7	40971	40630	-1	5.36	623	35.88
Red	C	APC	49746	49185	-2	2.80	2831	9.51
Red	A	APC-Cy7	53615	53005	-2	2.82	1091	11.24
Violet	B	V450	14488	13748	-6	5.76	656	9.94
Violet	A	V500	55123	53363	-4	5.59	2356	7.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19749	5.87	604	6	N/A	N/A	Pass
Blue	F	SSC	61187	1.95	533	-1	N/A	N/A	Pass
Blue	E	FITC	105	38.92	534	-2	0.0225	231	Pass
Blue	D	PE	207	28.33	530	-1	0.1650	230	Pass
Blue	B	PerCP-Cy5-5	211	45.40	626	-3	0.0106	148	Pass
Blue	A	PE-Cy7	68	116.90	679	-2	0.0116	10	Pass
Red	C	APC	329	27.57	592	-2	0.0201	48	Pass
Red	A	APC-Cy7	120	42.77	577	-3	0.0058	2306	Pass
Violet	B	V450	79	43.51	467	-4	0.0473	2052	Pass
Violet	A	V500	170	23.96	493	-3	0.0130	337	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.12	-30.42	0.86
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	15.20	13.27 - 19.91	N/A	N/A	30.57	31.07	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9678

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments